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EDUCATION

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| 2010-2013 | Doctor of Philosophy in Physical Oceanography
LEGOS/Université de Toulouse III, Toulouse, France |
| 2009-2010 | Master of Science in Oceanography, Meteorology and Land Surfaces
(Océan Atmosphère Surfaces Continentales), with « Mention Bien » Honours
Université de Toulouse III, Toulouse, France |
| 2007 | Bachelor of Science (Honours) in Meteorology with H2A Honours
University of Melbourne, Melbourne, Australia |
| 2005-2006 | Bachelor of Science in Mathematics and Geophysics
Certificate of Proficiency in Science (CoP)
Victoria University of Wellington, Wellington, New Zealand |

RESEARCH AND WORK EXPERIENCE

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| 2014- present | Postdoctoral Scholar
Oceans and Ice Group, Jet Propulsion Laboratory/California Institute of Technology |
| 2010-2013 | Ph.D. Project
Advisors: Thierry Delcroix (LEGOS) and Nicolas Reul (IFREMER)
Dissertation: Diagnostic study of sea surface salinity in the Tropical Pacific Ocean.
Contribution of SMOS data. |
| 2011 | XBT Operator
R/V Astrolabe Rotation Cruise (2011-R1) from Hobart (Australia) to Dumont D'Urville Antarctica Base (12/14-01/04) |
| 2010-2012 | Tutor and Grader for different Physics and Mathematics Courses (64h/yr)
Education training for tutors (10 days)
Université de Toulouse III, Toulouse, France |
| 2010 | Graduate Researcher (Jan-Sept)
Advisors: Rosemary Morrow (LEGOS) and Ariane Koch-Larrouy (LEGOS)
Dissertation: Origin and Fate of Mode Waters in the Southern Pacific Ocean |
| 2009 | Graduate Researcher (Jan-Jun)
Advisor: Christine Provost (LOCEAN, Paris, France) |

2009	CTD Sampling and Oxygen Measurements Operator Drake ANT-XXV/4, R/V Polarstern (03/20-04/07)
2008	Research Engineer (Jan-Jun) In the team of Alain Protat (CETP-IPSL, renamed LATMOS, Paris, France) Processing of the RASTA radar data and comparison with CloudSat Satellite data
2007	Undergraduate Researcher (Jan-Nov) Advisors: G. Mills and B. Timbal (CAWCR, Melbourne, Australia) and K. Walsh (University of Melbourne, Melbourne, Australia) Dissertation: The Impact of Climate Change on Extreme Fire Weather in Southeast Australia

PUBLICATIONS

A. Hasson, T. Delcroix, J. Boutin, J. Ballabrera-Poy and R. Dussin ; " Analysing the 2010-2011 La Niña signature in the tropical Pacific sea surface salinity using *in situ*, SMOS observations and a numerical simulation ", under revision, *J. Geophys. Res. (Oceans)* special section titled « Early scientific results from the salinity measuring satellites Aquarius/SAC-D and SMOS »

A. Hasson, T. Delcroix and J. Boutin ; "Formation and Variability of the South Pacific Sea Surface Salinity Maximum in Recent Decades", *J. Geophys. Res. (Oceans)*, 118, doi:10.1002/jgrc.20367

A. Hasson, T. Delcroix and R. Dussin ; "An Assessment of the Mixed-layer Salinity Budget in the Tropical Pacific Ocean. Observations and Modelling (1990-2009).", *Ocean Dynamics*, 63:179-194, doi:10.1007/s10236-013-0596-2

A. Hasson, A. Koch-Larrouy, R. Morrow, M. Juza, and T. Penduff (2012), The origin and fate of mode water in the southern Pacific Ocean, *Ocean Dynamics*, 62(3), 335-354. doi:10.1007/s10236-011-0507-3

A. Hasson, G.A. Mills, B. Timbal and K. Walsh, Assessing the impact of climate change on extreme fire weather events over southeastern Australia. *Clim. Res.* (2009) vol. 39 (2) pp. 159-172
<http://www.int-res.com/abstracts/cr/v39/n2/p159-172/>

A. Protat, D. Bouniol, J. Delanoë, P. T. May, A. Plana-Fattori, **A. Hasson**, E. O'Connor, U. Görsdorf, and A. J. Heymsfield, Assessment of CloudSat reflectivity measurements and ice cloud properties using ground-based and airborne cloud radar observations. *Journal of Atmospheric and Oceanic Technology*, Vol. 26, pp.1717-1741

A. Hasson, G.A. Mills, B. Timbal and K. Walsh, Assessing the impact of climate change on extreme fire weather in southeast Australia. *CAWCR Technical Report 007*

PRESENTATIONS

A. Hasson, T. Delcroix and J. Boutin ; "Formation and Variability of the South Pacific Sea Surface Salinity Maximum in Recent Decades" (Talk), *Ocean Sciences Meeting, February 2014*, Hawaii, USA

A. Hasson, T. Delcroix and J. Boutin ; "Analysing the 2010-2011 signature of ENSO in the tropical Pacific using in situ, SMOS and model near-surface salinity data" (Talk), *SMOS Aquarius Workshop, April 2013*, Brest, France

A. Hasson, T. Delcroix and J. Boutin ; "Formation and Variability of the South Pacific Sea Surface Salinity Maximum in Recent Decades" (Talk OS73) *TOSCA-SMOS Meeting, March 2013*, Paris, France

A. Hasson, T. Delcroix and R. Dussin ; "An assessment of the mixed layer salinity budget in the Tropical Pacific Ocean. Observations and modelling (1990-2009)" (Talk OS24D-07) *AGU 2012 Fall Meeting*, San Francisco, USA

A. Hasson, A. Koch-Larrouy, R. Morrow, M. Juza, and T. Penduff, "The Origin and Fate of Mode Water in the Southern Pacific Ocean" (Poster) *10th International Conference on Southern Hemisphere Meteorology and Oceanography 2012*, Nouméa, France

A. Hasson and T. Delcroix ; "An Assessment of the Mixed-layer Salinity Budget in the Tropical Pacific Ocean, 1989-2009" (Poster) *SMOS 2011 Meeting*, Arles, France

A. Hasson, A. Koch-Larrouy, R. Morrow, M. Juza, and T. Penduff, "The Origin and Fate of Mode Water in the Southern Pacific Ocean" (Poster 7709) *EGU 2011 Meeting*, Vienna, Austria

A. Hasson, T. Delcroix, S. Cravatte, J. Molines and N. Reul ; "An Assessment of the Mixed-layer Salinity Budget in the Tropical Pacific Ocean, 1989-2009" (Poster 8373) *EGU 2011 Meeting*, Vienna, Austria

N. Barré, **A. Hasson**, N. Sennéchael, C. Provost and A. Renault ; "In situ moorings and satellite altimetry in Drake Passage: comparisons, corrections and aliasing issues.", (Poster) *Ocean Surface Topography Science Team Meeting*, Lisbonne, Portugal

A. Plana-Fattori, **A. Hasson**, J. Delanoë, A. Protat, "Observation des nuages de glace à l'aide du radar Doppler RASTA et du radar CPR à bord de CloudSat pendant la campagne PARISFOG" (Poster), *Journée Scientifique du SIRTA 2008*, Palaiseau, France

A. Hasson, G.A. Mills, B. Timbal and K. Walsh: Assessing the impact of climate change on extreme fire weather in southeast Australia (Talk), *2007 Victorian Universities Earth Science Conference*, Monash, Australia